This Raw Listing contains the General Information Section and up to first 5 pages.

ENTERED

<110> APPLICANT: Townes, Tim M.
Ryan, Thomas
Ciavatta, Dominic
<120> TITLE OF INVENTION: TRANSGENIC ANIMALS THAT PRODUCE HUMAN HEMOGLOBIN
<130> FILE REFERENCE: 04005/013003
<140> CURRENT APPLICATION NUMBER: US/08/961,443A
<141> CURRENT FILING DATE: 1997-10-30
<150> EARLIER APPLICATION NUMBER: 08/934,385
<151> EARLIER FILING DATE: 1997-09-19
<150> EARLIER APPLICATION NUMBER: 08/888,433
<151> EARLIER FILING DATE: 1997-07-07
<150> EARLIER APPLICATION NUMBER: 08/611,542
<151> EARLIER FILING DATE: 1996-03-06
<160> NUMBER OF SEQ ID NOS: 19
<170> SOFTWARE: FastSEQ for Windows Version 3.0
<210> SEQ ID NO 1
<211> LENGTH: 23
<212> TYPE: DNA
<213> ORGANISM: Mus musculus
<400> SEQUENCE: 1
tcttcttgcc tcagcctacc agg 23
<210> SEQ ID NO 2
<211> LENGTH: 23
<212> TYPE: DNA
<213> ORGANISM: Mus musculus
<400> SEQUENCE: 2
ccctcaaacc aaactgagga gcg 23
<210> SEQ ID NO 3
<211> LENGTH: 23
<212> TYPE: DNA
<213> ORGANISM: Escherichia coli
<400> SEQUENCE: 3
tgaagagctt ggcggcgaat ggg 23
<210> SEQ ID NO 4
<211> LENGTH: 23
<212> TYPE: DNA
<213> ORGANISM: Mus musculus
<400> SEQUENCE: 4
gagcaatgtg gacagagaag gag 23
<210> SEQ ID NO 5
<211> LENGTH: 23
<212> TYPE: DNA
<213> ORGANISM: Mus musculus

<400> SEQUENCE: 5 23
tgatgtctgt ttctggggtt gtg
<210> SEQ ID NO 6
<211> LENGTH: 23
<212> TYPE: DNA
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 6 23
aatataccct gactcctagc ctg
<210> SEQ ID NO 7
<211> LENGTH: 20
<212> TYPE: DNA
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 7 20
ctgcagggtg aggaaggaag
<210> SEQ ID NO 8
<211> LENGTH: 23
<212> TYPE: DNA
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 8 23
atgccagaag ctctggaatt ctg
<210> SEQ ID NO 9
<211> LENGTH: 27
<212> TYPE: DNA
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 9 27
gcgcacaagc tttgcgtgga cccggtc
<210> SEQ ID NO 10
<211> LENGTH: 27
<212> TYPE: DNA
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 10 27
ccttggaccc agtgtttctt tgagtcc
<210> SEQ ID NO 11
<211> LENGTH: 25
<212> TYPE: DNA
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 11 25
cgcacgtgga ctgcatgccc aacgc
<210> SEQ ID NO 12
<211> LENGTH: 27
<212> TYPE: DNA
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 12 27
cctgaggaga agtgtgccgt tactgcc
<210> SEQ ID NO 13
<211> LENGTH: 27
<212> TYPE: DNA
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 13 27
gtggatcctg agaccttcag ggtgagt

<210> SEQ ID NO 14
<211> LENGTH: 27
<212> TYPE: DNA
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 14
caaacagaca ccatgctgac tcctgag 27

<210> SEQ ID NO 15
<211> LENGTH: 15
<212> TYPE: DNA
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 15
atggtgcacc tgact 15

<210> SEQ ID NO 16
<211> LENGTH: 4
<212> TYPE: PRT
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 16
Met Val His Leu
1

<210> SEQ ID NO 17
<211> LENGTH: 26
<212> TYPE: DNA
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 17
tgaacgtgga tgccgttggt ggtgag 26

<210> SEQ ID NO 18
<211> LENGTH: 27
<212> TYPE: DNA
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 18
gctcacctgg acaagctcaa gggcacc 27

<210> SEQ ID NO 19
<211> LENGTH: 27
<212> TYPE: DNA
<213> ORGANISM: Homo sapiens
<400> SEQUENCE: 19
ggcacctttg cccagctgag tgagctg 27

VERIFICATION SUMMARY
PATENT APPLICATION US/08/961,443A

DATE: 05/07/1999
TIME: 10:18:55

Input Set: H961443A.RAW

Line	?	Error/Warning	Original Text